



# 8 TRACK RECORDER DECK

# MODEL TRQ-134D

# SERVICE MANUAL

No. 4 3 0

1 9 7 2

### **SPECIFICATIONS**

IC	D13 VO-6A D14 WO-6A D15 WO 6A D16 WO-6A
IC3 FA-6013DPre Amp.	TAPE SPEED334 ips (9,5cm/s)
IC4 FA-6013DAF Amp.	CARTRIDGE·····8 track stereo
TRANSISTORS	TRACK SYSTEM8 track 2channel 4program
TR1 2SC12131Bias osc.	PROGRAMAutomatic and Manual push button
DIODES	RECORDING SYSTEMAC bias
D1 VO-6A D2 VO-6A D3 VO-6A D4 VO-6A	ERASING SYSTEMAC erase FREQUENCY RANGE50~10,000Hz OUTPUT VOLTAGE750mV
D5 WO-6ANois Eliminator	OUTPUT IMPEDANCE 5 K ohm or less
D6 WO-6AImpulse Eliminator	POWER SUPPLY120V, 60Hz (for USA)
D7 WO-6AImpulse Eliminator	115V/230V 50/60Hz (for Europe)
D8 WO-6A ·····Switching	POWER CONSUMPTION25W (Max. 60W)
$\left. \begin{array}{cccccccccccccccccccccccccccccccccccc$	DIMENSIONS $\cdots 4\%$ (H)×15 $34$ " (W)×11" (D) (11×40×28cm)
D11 1N34A D12 1N34A Rectifier (for Level meter)	WEIGHT12 lbs. 2 oz. (5.5kg)

#### **ACCESSORIES**

Patch	cord	(5740543)	)	 2
Head	cleani	no etick	(7716481)	 τ

119,

#### **CONTROLS**

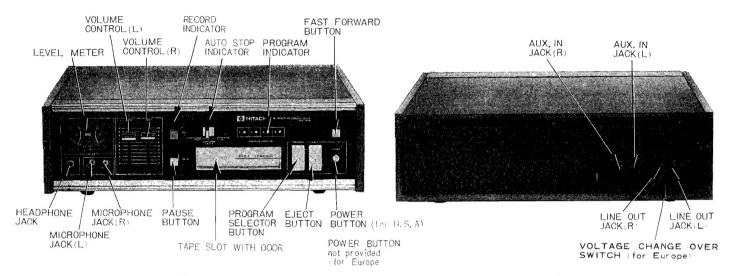


Fig. 1

Fig. 2

#### BLOCK DIAGRAM

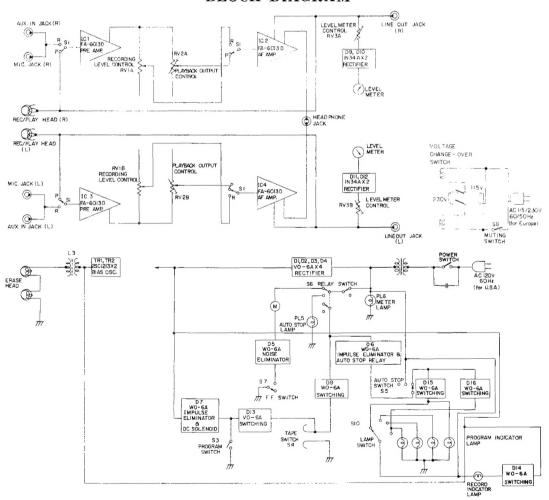


Fig. 3

#### CONNECTION

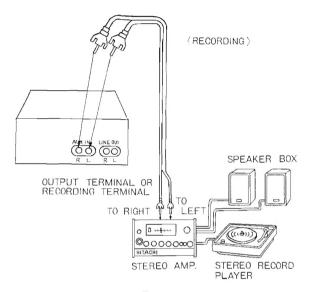


Fig. 4

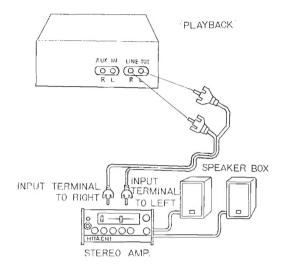


Fig. 5

#### DISASSEMBLY

#### 1. Removal of back cover

Remove three screws holding back cover as shown in Fig. 6.

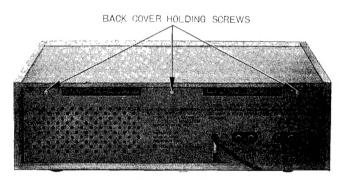
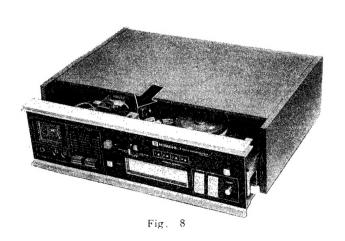


Fig. 6

#### 2. Removal of chassis

Remove five screws holding chassis as shown in Fig. 7. Remove chassis in the direction of arrow as shown in Fig. 8.



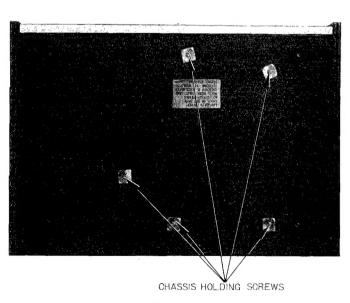


Fig. 7

#### MODEL TRQ-134D SERVICE MANUAL

#### 3. Removal of circuit board

Remove four screws holding circuit board as shown in Fig. 9 and remove two screws holding power circuit board as shown in Fig. 10.

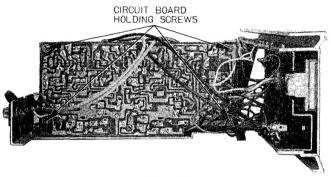


Fig. 9

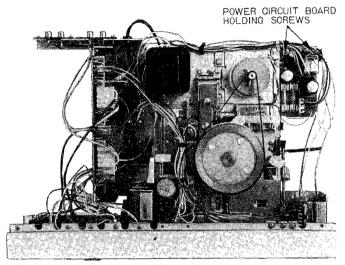


Fig. 10

#### LUBRICATION

One or two drops of machine oil may be applied to the point  $\mathfrak{Y}$  (rotating parts). Grease may be applied to the sliding surfaces  $\mathfrak{Q}$  as shown in Fig. 11.

Machine oil

③ : Grease

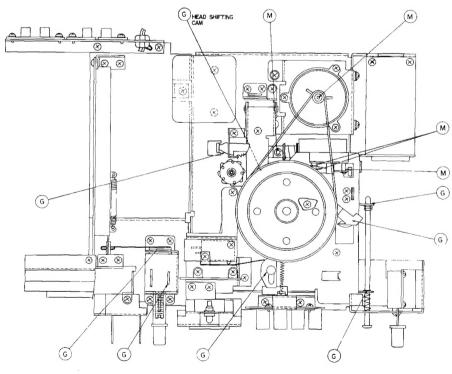
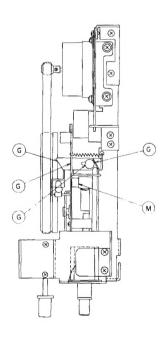
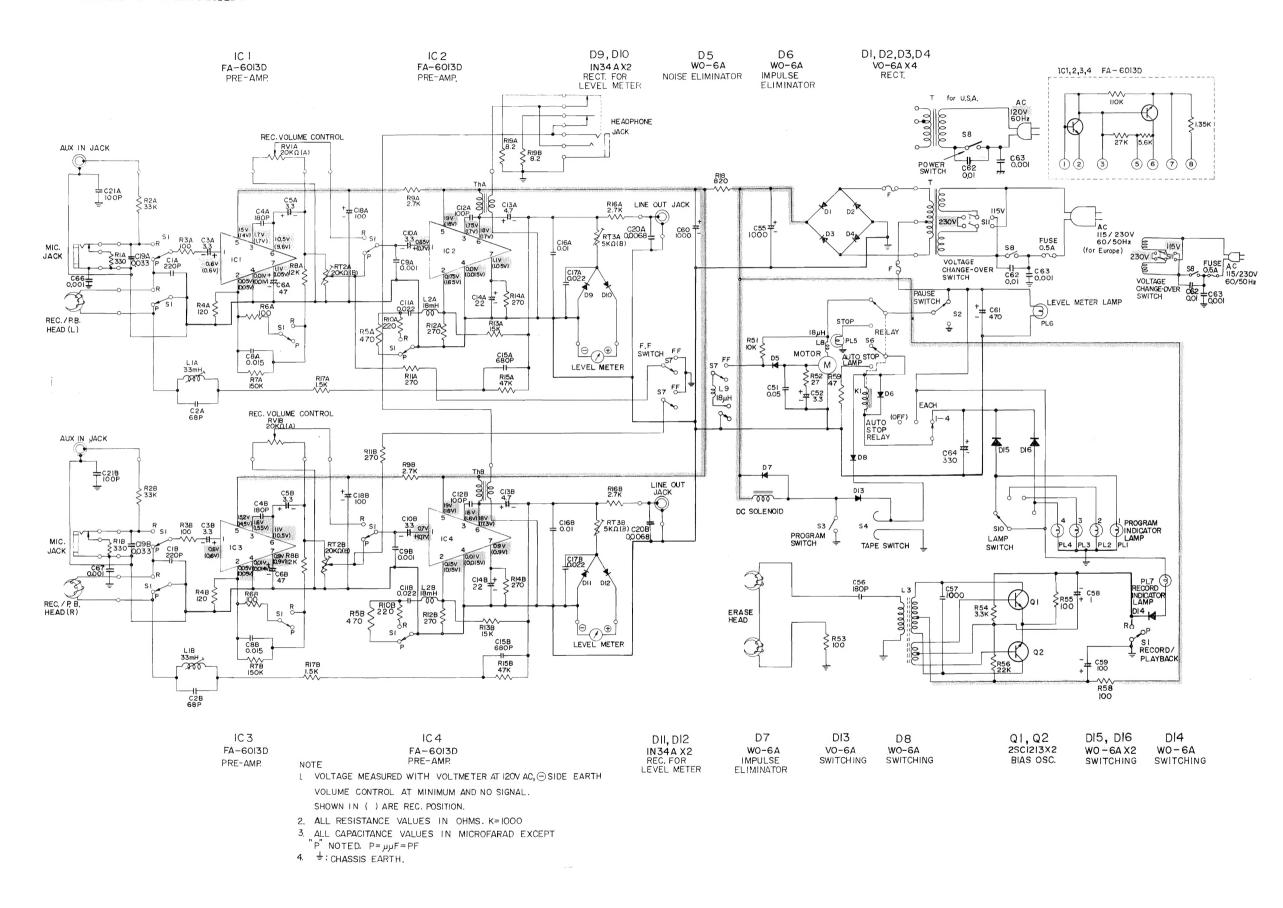


Fig. 11



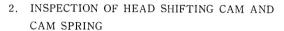
#### CIRCUIT DIAGRAM



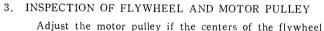
#### INSPECTION AND ADJUST OF MECHANICAL UNIT

# 1. INSPECTION OF TRANSFORMER SUPPORT PLATE AND TRANSFORMER

When the transformer support plate and the transformer are installed on the chassis there should be no gap between transformer support plate and chassis. The gap between transformer and chassis shall be between 0 and 0.5mm.



- (1) Rotate the head shifting cam and assure that the tip of the CAM SPRING is fitted in an notch of the cam without fail.
- (2) Adjust the CAM SPRING retaining screw so that the clearance between the head shifting cam and the tip of the moderation spring is between 0.2mm and 0.6mm.



and motor pulley are slip out under a state where a flat

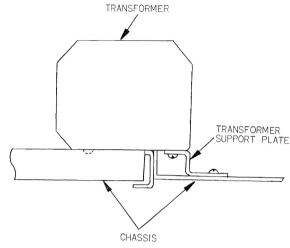


Fig. 12

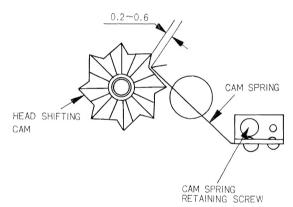


Fig. 13

belt is fitted. The slip out of centers of flywheel and motor pulley shall be within 0.3mm.

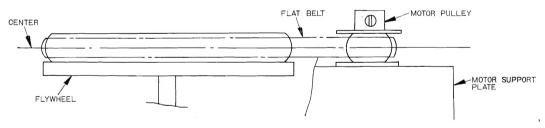
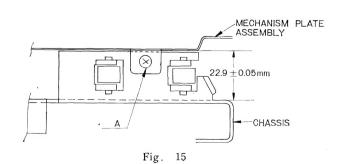


Fig. 14

4. INSTALLATION AND INSPECTION OFMECHANISM PLATE When installing the mechanism plate assembly, tighten set screw A so that the distance to the chassis is  $22.9 \text{mm} \pm 0.05 \text{mm}$ .



5. INSPECTION OF HEAD SHIFTING PLATE ASSEMBLY AND OF HEAD SHIFTING CAM

- (1) When installing the HEAD SHIFTING PLATE ASSEMBLY to the chassis, adjust the tapping screw (A) so that the tip of the adjusting screw comes to the center of the shaded area in Fig. 16.
- (2) After installation assure that dimension H shown in Fig. 17 is 33.5mm. Also assure that deflection of the head shifting plate spring under this state is 2mm.

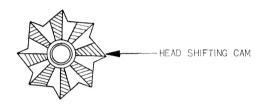


Fig. 16

#### 6. ADJUSTMENT OF HEAD ANGLE

Playback a standard tape for correction of angle and adjust the angle adjusting screw (4) so that the output is maximum. Place the head in the height of the center of the tape width when adjusting.

#### 7. ADJUSTMENT OF TRACK POSITION

Playback track No. 4 (head is located at the bottom position) of a standard tape for correction of track position by channel 1 (LH amplification) and adjust the height adjusting screw (a) so that the output is maximum. To perform the above job correctly, use a test cartridge No. 321 made by RCA and playback track No. 2 and track No. 6 (2 ch). Adjust the height adjusting screw (a) so that the output 1 KHz of LH amplification playing track No. 2 is minimum. Then adjust the angle adjusting screw (a) so that the output 8 KHz of RH amplification playing track No. 6 is maximum.

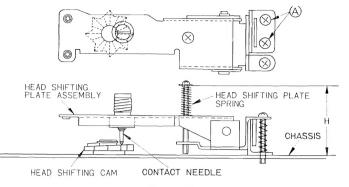


Fig. 17

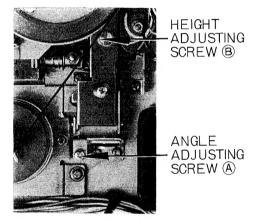
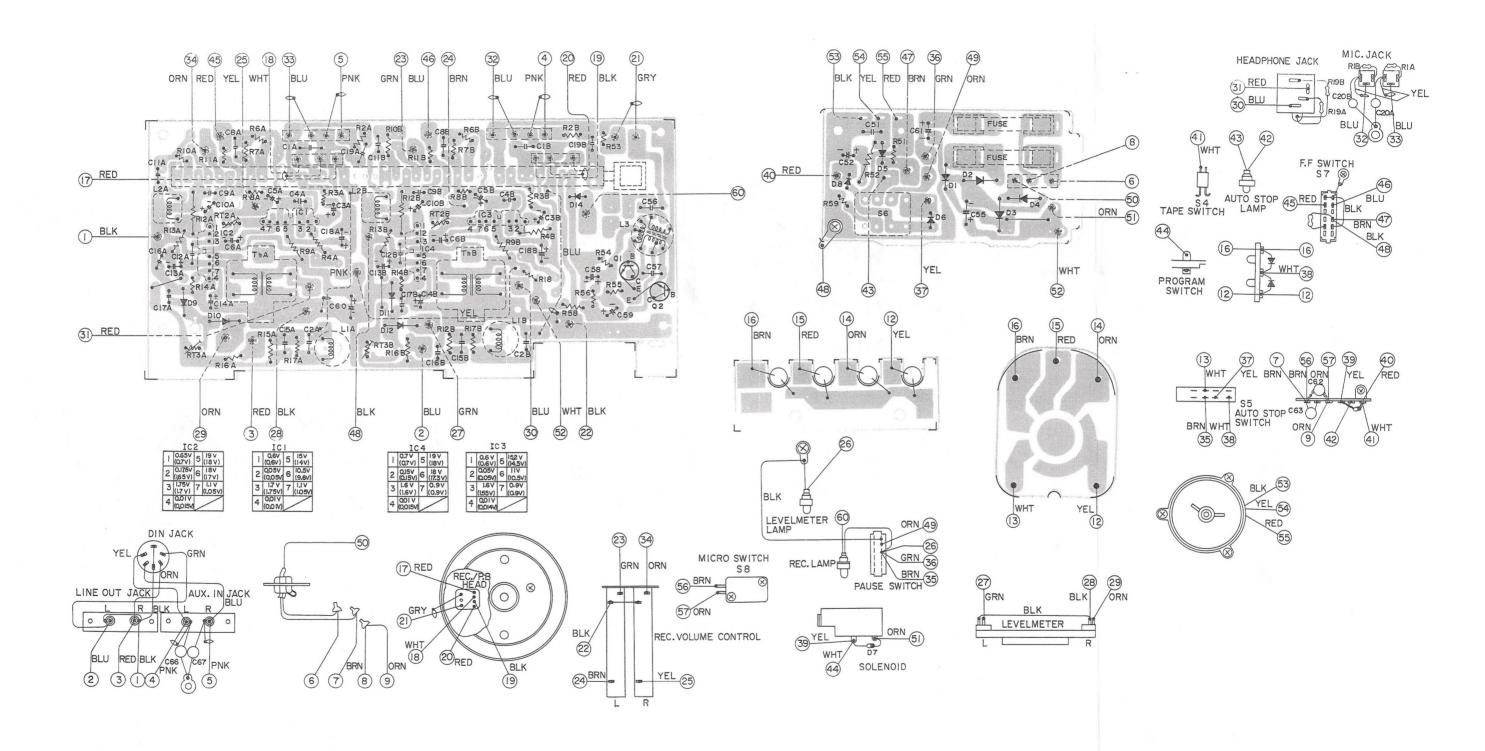
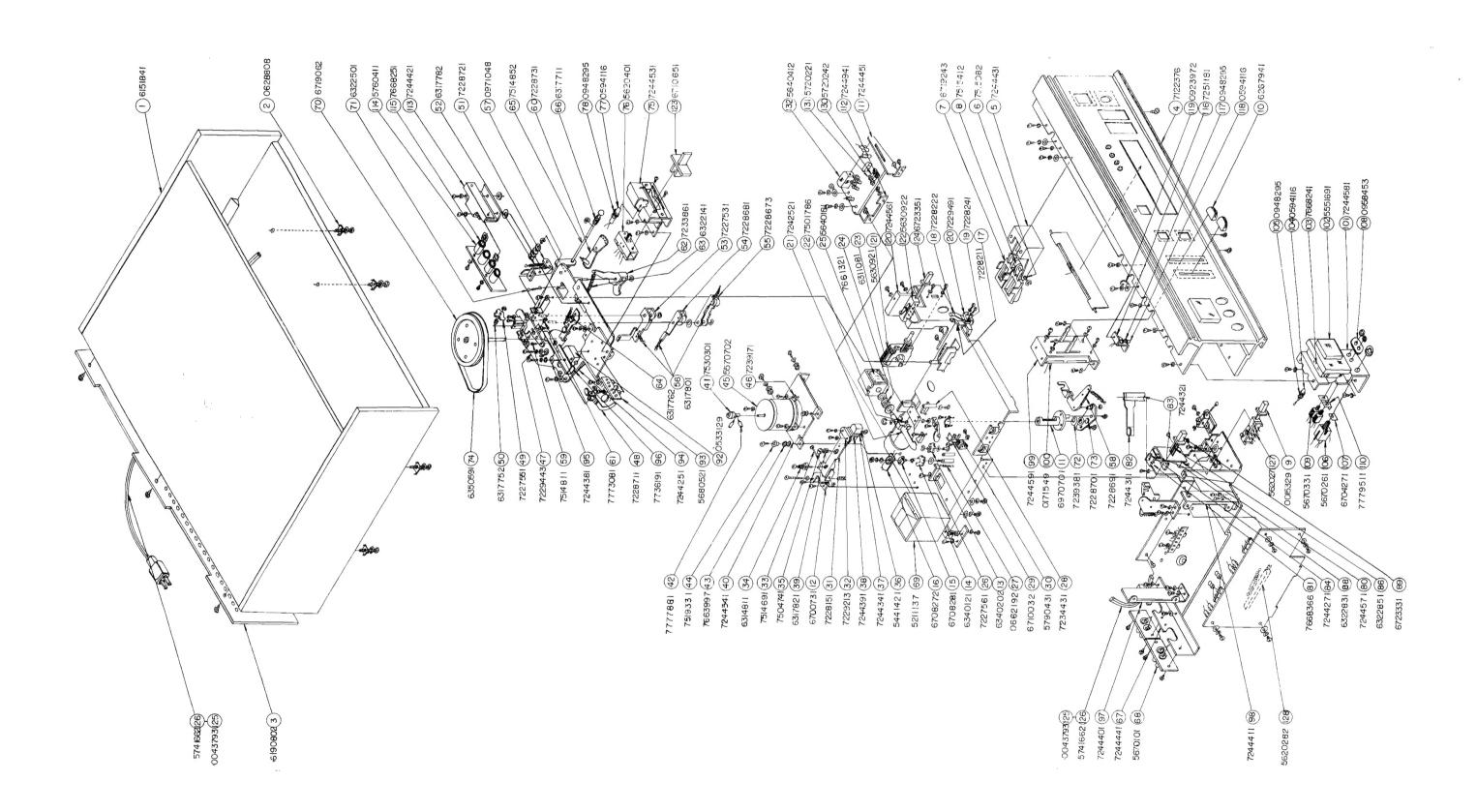


Fig. 18

#### CIRCUIT BOARD DIAGRAM



#### DISASSEMBLED DIAGRAM



# REPLACEMENT PARTS

Symb	ol	Stock	Description			Symbol No.	Stoc		Description		
	No.   No.   CAPACITORS:		D 8	5330	341	Diode	WO-6A				
C2A	B	0248720	Ceramic, discal	68pF±10%	1					1N34A	Ge 455KHz Ge 455KHz
C3A.	В	0252613	Electrolytic	$3.3\mu F$	25V	D 10 D 1			Diode Diode	1N34A 1N34A	Ge 455KHz
C4A			Ceramic, discal Electrolytic	180pF±10%   3.3μF	25V	D 12	0575	001	Diode	1N34A	Ge 455KHz
C6A	B	0252525	Electrolytic	47μF	16V				Diode	VO-6A	
C7A.	. B	0276111	Mylar	$0.1 \mu F \pm 20\%$		D 14	5330		Diode Diode	WO-6A WO-6A	
C8A	В	0275111	Mylar	$0.01 \mu F \pm 20\%$					Diode	WO-6A	
C 10 A	B	0274111	Mylar Electrolytic	0.001μF±20 <i>%</i> 3.3μF	25 V	-		!	COILS:		
C11A	β	0275113	Mylar	$0.022 \mu F \pm 20\%$	201	LIA,B	52700	001	Variable	33mH	
C 12A	,B	0248724	Ceramic, discal	$100 \text{pF} \pm 10\%$	0517	L2A,B	51203	303	Trap	18mH	
C13A	,В	0252615	Electrolytic Electrolytic	4.7μF   100μF	25V 6.3V				for Final	assembly	
			Ceramic, discal	680pF ± 10 %	0.57	(1)	61518	341	Cabinet		)
C 16A	.B	0275111	Mylar	$0.01\mu F + 20\%$					Pan head screw-3r	nm∅×16mm	}
C 17A	,B	0274113	Mylar	$\frac{0.0022 \mu F \pm 20\%}{100 \mu F}$	16V	(2)	06288	808	Locking washer Spring washer-3m	m d	
C 18A	,,D	0232331	Electrolytic	100/11	10 V		0013	124		r chassis ass.	mounting
	51	0244171	Ceramic, discal	$0.022 \mu F + 80\% - 20\%$		ļ			,		3
					0517	(3)			Back cover	4.410	
C	52	0252623	Electrolytic	33 <sub>/4</sub> F	25V		87554	410	Wood screw-3.1mi	m ∅ × 10mm or back cover	mounting
C	55	0256098	Electrolytic	470µF	50V	-			(o red a) re	n back cover	mounting
C		0275016		$0.0068\mu\text{F}\pm10\%$		(4)			Panel mounting as		
C		0221381		4700pF±10%	6.3V	(5)			Push button holde: Push button shaft	r	
16			Electrolytic Electrolytic	. 100μF : 100μF	25V	(6)			Push button assert	nbly	
C	60	0256074	Electrolytic	$1000\mu F$	25V	(8)	7515	412	Push button collar		
C	61	0256074	Electrolytic	1000μF	25V	:	0631	443	"E" ring	tton shaft mo	unting
	·		RESISTORS				77718	873		tton shaft mo washer-3mm	unting Øl
			Carbon film Carbon film	$ \begin{array}{c} 330\Omega\pm10\% \\ 33k\Omega\pm10\% \end{array}$	¼SD ¼SD	1			Washer-3mm ∅		}
			Carbon film	$100\Omega \pm 10\%$	14SD	İ			(2 req'd) for	push button a	ass, mounting
R4A,	B	0137802	Carbon film	$120\Omega\pm10\%$	¼SD	(9)	0015	329	Switch button (pa	use)	
DCA	D					(10)			Slide control knob		
R6A,	В	0137953	Carbon film	150kΩ±10%	1/SD		2221	072		r record/volu	
R8A,	В	0137902	Carbon film	$12k\Omega\pm10\%$	1/4SD		11111	573.	Screw with spring		anel mounting
R9A,	В	0137856	Carbon film Carbon film	$2.7$ k $\Omega \pm 10\%$ $82\Omega \pm 10\%$	14SD 14SD 14SD 14SD			!	for Chassis		
			Carbon film	$270\Omega \pm 10\%$	1/SD		60705	701		a assembly	
R 12A	B	0114446	Carbon film	$270\Omega \pm 10\%$	1/4SD	(11)			Flywheel metal Flat screw-3mm Ø	×6mm (1 rea	'd)
R 13A	,B	0137903	Carbon film	15kΩ±10% 47kΩ±10%	14SD 14SD 14SD 14SD 14SD				Screw with spring		
R 16A	B,D	0137856	Carbon film Carbon film	$2.7k\Omega\pm10\%$	. 1/45D		670.00	701	for FW met		-1-4-
			Carbon film	1.5kΩ±10%	14SD 14SD 14SD 14SD	(12)	6700	131	Hanger washer for mounting	r nead shiiting	g plate
R 18		0137812	Carbon film	$820\Omega \pm 10\%$	1/SD	(13)	63402	202	Head shifting cam		
R 19A	,В	0137758	Carbon film Composition	$8.2\Omega\pm10\% \ 2.2\Omega\pm10\%$	½GF	1 '	06374	445	"E" ring	r	
R 21		0134281		$2.2\Omega \pm 10\%$	½GF	(14)	6340	121.	Channel gear	fting cam mo	unting
	i	0107001	0 1 (11	101.0   100/	LICD	(14)			Spring holder asse	embly	
R 51 R 52			Carbon film Composition	$10$ k $\Omega\pm10\%$ $27\Omega\pm10\%$	⅓SD ⅓GF				for channel	gear mountin	g
R 53	i		Carbon film	100Ω±10%	14SD 14SD	100	77104	421	Fiber washer-5mm	n∅ nolder ass. mo	unting
R 54	-		Carbon film	$3.3$ k $\Omega\pm10\%$	14SD	(16)	67082	272	Channel P.C.B ass		dutting
R 55 R 56	1		Carbon film Carbon film	$56\Omega\pm10\%$ $22$ k $\Omega\pm10\%$	1/4SD 1/4SD					`	
R 57			Carbon film	33Ω±10%	1/4SD				Washer-3mm Ø Spring washer-3m	m &	
R 58	i	0137763	Carbon film	22Ω±10%	1/4SD				Nut-3mm Ø	m Ø [	
DV	0	0151017	Semi variable	20kΩ(B)					for channel	P,C.B mount	ing
R V R V			Semi variable	$5k\Omega(B)$		(17)			Earth plate		
RV	4	0151817	Semi variabel	20kΩ(B)		(18) (19)	7228	241	Switch plate Insulating plate (1	) for earth p	late }
R V	5 0	0151360	Semi variable	$5k\Omega(B)$		(20)	7229	491	Insulating plate (2	2) for switch	plate
			TRANSISTO				7771	074	for program		٧
	1	5320612 5320612		2SC1213B 2SC1213B			77718	874	Screw with spring (2 reg'd) for eart		
T R I C		5353081	IC	FA6013D					insulating plate (1		
IC	2	5353081	IC	FA6013D		1	070	400	7D	~~~	
IC		5353081 5353081		FA6013D FA6013D			87814	438	Tapping screw-3m	ım∅×8mm older ass. mo	unting
I C		5330104		VO-6A		(21)			Push plate		
D	2!	5330104	Diode	VO-6A			06374	443	"E" ring for push	plate shaft n	nounting
D		5330104		VO-6A		(22)			Push plate shaft Plunger spring		for push
D D		5330104 5330341		VO-6A WO-6A		(23)			Fiber washer-10m	mø (2 req'd)	plate
D	6	5330341	Diode	WO-6A			7771	381	Mylar washer		mounting
D	7	5330341	Diode	WO-6A		(24)	76613	321	Plunger absorbing	shock rubber	

## MODEL TRQ-134D SERVICE MANUAL

25. 340181 DC calcond   2771875 Screw with spring washer-3mms   2871875 Screw with spring washer-3mms   278188   279181   27818	Symbol No.	Stock No.	Description	Symbol	Stock No.	Description
771787   Screw with spring washer-3mms / 2mm   (64) and part				No. (62)		
267   722755   Push plate guide   (32)   (	(23)		Screw with spring washer-3mm Ø	(02)		"E" ring for pressure lever function
CSP   CSP   CSP   Table   Table guide mounting   CSP   CSP   Table   Table guide mounting   CSP   CSP   Table   Table guide plate   CSP   CSP   Table   Table guide mounting   CSP   CSP   CSP   Table   Table guide mounting   CSP   CSP   Table   Table guide mounting   CSP   CSP   Table   Table guide mounting   CSP   CSP	(26)	7227561		(63)	6322141	Pressure spring
Gell String   Page page   Gell String   Ge		8781438			6317762	Retune spring
(28) 672443. Tape guide acts (28) 671037. Tape guide connector (30) 671038. Pan head screw-2.6mms/x8mm (31) 821213 Spring washer-2.6mms/x8mm (32) 723431. Taping screw-3mms/x8mm (33) 731461 lead adjust plate assembly (32) 724521 Head apist plate assembly (33) 731461 lead apist plate assembly (34) 631841 Head apist plate assembly (35) 734441 lead apist plate assembly (36) 744441 lead biding screw-3mms/x8mm (37) 724431 lead apist plate spring mounting (38) 631821 lead apist plate spring mounting (39) 631722 Adjust spring apist plate spring mounting (39) 631722 Adjust spring washer-3mms/x8mm (39) 631722 Adjust spring mounting (39) 631722 Adjust spring mounting (39) 631724 lead adjust plate spring mounting (39) 631724 lead adjust plate spring mounting (39) 631725 lead spring mounting (39) 631726 lead spring mounting (39) 631727 lead spring mounting (30) 74451 Motor supporting plate mounting (30) 74451 Motor supporting plate mounting (30) 74451 Motor supporting plate mounting (30) 75452 lead spring mounting (31) 75452 lead spring mounting (32) 754529 lead spring mounting (33) 754529 lead spring mounting (34) 754531 lead spring mounting (35) 75452 lead spring mounting (36) 75452 lead spring mounting (37) 754531 lead spring mounting (38) 75452 lead spring mounting (39) 75452 lead spring mounting (30) 75452 lead spring mounting (30) 75452 lead spring mounting (31) 75452 lead spring mounting (32) 75452 lead spring mounting (33) 75452 lead spring mounting (34) 75452 lead spring mounting (35) 75452 lead spring mounting (36) 75452 lead spring mounting (37) 754531 lead spring mounting (38) 75452 lead spring mounting (39) 75452 lead spring mounting (30) 75452 lead spring mounting (31) 75452 lead spring mounting (32) 75452 lead spring mounting (33) 75452 lead spring mounting (34) 75452 lead spring mounting (35) 75452 lead spring mou	(27)	0662102				
6710032 Tape, guide plate   S721405   Track switch connector mounting   S721405   Track switch connector mounting   S721405   S721405   S722405				(00)		
Second Comment   Seco				1	0001110	
8812118 Senior washer-2.6mms   Senior track switch connector mounting   Senior witch pring washer-3.6mms   Senior track switch connector mounting   Senior track switch plate spring mounting   Senior track switch switch switch switch   Senior track switch switch   Senior track switch switch   Senior track switch   Senior	(30)	5790431	Track switch connector			Flat screw-3mm \( \neq \times 6mm \) (1 req'd)
8813123 Spring washer-2.6mms s   10		0711308	Pan head screw-2.6mm Ø ×8mm		7771872	
8781438 Tapping screw-3mm s/ Sem  (31) 7228151 Head shifting plate assembly control of the plate				:	7771873	
S781438   Tapping screw-3mmg/x8mm to trape guide mounting to trape guide mounting to trape guide mounting to trape guide mounting (73) 7228151   Head subt plate assembly (83) 7238131   Head subt plate assembly (83) 7514691   Head shifting plate shaft (93) 7514691   Head shifting plate mounting (74) 771873   Screw with spring washer-3mms (74) 771873   Screw with spring washer for flywheel mounting (75) 771873   Screw with spring mounting (75) 771873   Screw with spring washer for flywheel mounting (75) 771873   Screw with spring washer for flywheel mounting (75) 771873   Screw with spring washer for flywheel mounting (75) 771873   Screw with spring washer for flywheel mounting (75) 771873   Screw with spring washer for flywheel mounting (75) 771873   Screw with spring washer for flywheel mounting (75) 771873   Screw with spring washer for flywheel mounting (75) 771873   Screw with spring washer for flywheel mounting (75) 771873   Screw with spring washer for flywheel mounting (75) 771873   Screw with spring washer for flywheel mounting (75) 771873   Screw with spring wa		. 0010120		i d	1111015	
Table   State   Stat			*	(67)	7244441	Jack holder
337   722815   Head ally plate assembly   (37   722815   Head ally plate assembly   (38   724815   Head ally plate assembly   (48   72481   Head ally plate assembly   (59   72481   Head ally plate assembly   (69   72481   Head ally plate all plate mounting   (69   72481   Head ally plate all plate mounting   (77   72871   All plate all plate all plate mounting   (78   72871   All plate all plate all plate mounting   (79   72871   All plate all plate all plate mounting   (79   72871   All plate all plate plate mounting   (79   72871   All plate all plate all plate mounting   (79   72871   All plate all plate all plate mounting   (79   72871   All plate all plate all plate mounting   (79   72871   All plate all plate all plate mounting   (79   72871   All plate all plate   (79   72871		8781438		(68)	5670101	2P pin jack (2 req'd) for jack holder mounting
37239213   Head shirting plate shaft   1771873   178788   178788   178788   178788   178788   178788   17878	(31)	7228151	Head shifting plate assembly		8781438	
331-3429   Head shifting plateshaft   (2 req'd) for jack holder mounting   (37443		7229213	Head ajust plate assembly		7771873	Screw with spring washer-3mm Ø
Gastall   Head shifting plates spring   Gastall   Head shifting plate spring   Gastall   Head shifting plate spring   Gastall   Head shifting plate spring   Gastall		7514691	Head shifting plate shaft			(2 req'd) for jack holder mounting
33141   Head shifting plate spring		0637443	"E" ring		5011105	**
For head adjust plate mounting	(34)	6214911		(69)		
8745432   Binding screw 3mm s x 32mm	(34)	0314011,			1111013	
363   544142  Head plate   724439  Head plate   724339  Head plate   7		8745432				(o req a) for power transformer meaning
38   724431   Head holder   38   Head plate				(70)		
Second process of the property of the property of the process of the property of the propert				(71)		
S711408 Pan head screw-3mm x 8mm fro thead mounting   S7771871   Screw with spring washer-3mm x   S7771871   Screw with spring washer-3mm x   S781438   Tapping screw-3mm x 8mm (2 req'd) for head adolder mounting   S781438   Tapping screw-3mm x 8mm (2 req'd) for head adolder mounting   S781438   Tapping screw-3mm x 8mm (2 req'd) for head adolder mounting   S781438   Tapping screw-3mm x 25mm for adjust spring mounting   S781438   S781439   S181114   S781439   S811114   Washer-3mm x 25mm for adjust spring mounting   S781431   S781439   S181414   S781439   S18142   Tapping screw-3mm x 25mm for adjust spring mounting   S781442   Tapping screw-3mm x 12mm (3 req'd)   S781439   S18142   Tapping screw-3mm x 12mm x 12mm (3 req'd)   S781439   S18142   Tapping screw-3mm x 12mm x 12mm (3 req'd)   S781439   S18142   S181				1,	0638399	
Fig.	(30)			(72)	7239381	
S781438   Tapping screw-3mm \$\section \text{Amounting} \ S781438   Tapping screw-3mm \$\section Amoun		i	for head mounting		7228701	Thrust sheet assembly
8781438 Tapping screw-3mm & x8mm (2 req'd)   for head adjust holder assembly mounting   for adjust spring mounting   for motor supporting plate   for motor supporting plate   for motor supporting plate mounting   for motor supporting plate mounting   for motor supporting plate mounting   for motor bracket mounting   for gengagement lever ass. mounting   for gengagement lever mounting   for gengagement lever assembly   for mock function lever mounting   for mock function lever mounting   for gengagement lever assembly   for mock function lever assembly   for gengagement pin mounting   for gengagement pin		7771871			8781438	
For head adjust holder assembly mounting   Rot head adjust holder assembly mounting   Rot head adjust spring   For head adjust holder assembly mounting   Rot head adjust spring mounting   Rot head adjust spring mounting   Rot head adjust spring mounting   Rot adjust spring m		0701400	(2 req'd) for head holder mounting	. (74)	COENENI	
Salidar Spring		8781438	for head adjust holder ass mounting			
State   Stat	(39)	6317821	Adjust spring			
SellIII   Washer-3mm	` '		for head adjust holder assembly mounting		i	(Auto stop)
8811114 Washer-3mm s		8745425	Binding screw-3mm \( \infty \times 25mm \)		0721304	
for adjust spring mounting (40) 7244541 Motor supporting plate (41) 7533301 Motor pulley mounting 8781442 Tapping screw-3mm ø x12mm (3 req'd) for motor supporting plate mounting (43) 7663997. Rubber plate-8mm ø (4 req'd) (81) 7668366 Rubber pade spring screw-3mm ø x 8mm (2 req'd) for motor mounting (45) 5570702 Motor for motor bracket mounting (46) 723917 Motor bracket strain for motor bracket mounting (47) 7229443 Mecha plate assembly (87) 6322851 Lock plate (2) 6322851 Sersing spring assembly (87) 6322851 Lock plate (2) 6322851 Sersing spring spri		8811114	Washer-3mm Ø	(77)	0594116	
(41)         7539301         Motor pulley         (42)         777881         Ste screw for motor pulley mounting 8781442         Tapping screw-3mm ≠ x12mm (3 req'd) for motor supporting plate mounting for motor supporting plate mounting for motor supporting plate mounting for motor mounting (44)         (51)         (52)         (62)         7771873         Screw with spring washer-3mm ø (3 req'd) (82)         (75)         (87)         7668396 Rubber pad         (87)         724431 Recording paring assembly Recording paring assembly Recording paring assembly Recording paring for notor bracket         (88)         7244281 Lock plate (2)         7244281 Lock plate spring (6723332 Recording button (red)         6322841 Play spring washer-3mm ø (6 req'd) for button holder ass, recording holder ass. mounting (94)         632281 Play spring washer-3mm ø (6 req'd) for button holder ass, recording holder ass. mounting (94)         72272515 Nock lever with spring washer-3mm ø (6 req'd) for button holder ass, recording			for adjust spring mounting			
Set screw for motor pulley mounting   8781442   Tapping screw-3mm \( \triangle \)   274571   Recording holder mounting   (2 req'd) for jack holder mounting   (3) 7663997. Rubber plate-8mm\( \triangle \) (4 req'd)   (8) 7771873   Screw with spring washer-3mm\( \triangle \) (3 req'd)   (8) 7663966   Rubber pad   (2 req'd) for jack holder mounting   (8) 7663966   Rubber pad   (2 req'd) for jack holder mounting   (8) 7663966   Rubber pad   (2 req'd) for jack holder mounting   (8) 7663966   Rubber pad   (2 req'd) for jack holder mounting   (8) 7663966   Rubber pad   (2 req'd) for jack holder mounting   (8) 7663966   Rubber pad   (2 req'd) for jack holder mounting   (8) 724431   Recording spring assembly   (8) 724431   Recording spring assembly   (8) 724421   Lock plate (2)   (8) 744281   Lock plate (2)   (8) 744281   Lock plate (2)   (8) 742481   Lock plate (3)   (8) 742481   Lock plate (4) 74248				(79)		
for motor supporting plate mounting (43) 7663997. Rubber plate-Smmø (4 req'd) (44) 7519331. Collar (3 req'd) (45) 5570702. Motor (46) 7239171. Motor bracket (47) 7229431. Tapping screw-3mmø×8mm (48) 724431. Recording spring assembly (47) 7229431. Recording spring assembly (48) 724431. Recording spring assembly (49) 722751. Tapping screw-3mmø×8mm (50) 6317752. Nock lever (50) 6317752. Nock lever spring (51) 7228721. Lock plate (2) (52) 6317782. Lock plate (3) (53) 7227531. Nock lever mounting (53) 7227531. Nock lever (55) 6317802. Lock guide assembly (56) 6317802. Nock function lever mounting (56) 7227531. Nock function lever mounting (57) 0971048. Terring for nock function lever mounting (58) 6317801. Nock function lever mounting (59) 7514811. Engagement pin mounting (50) 7228691. Play wheel lever assembly (50) 7514811. Engagement pin (50) 7228801. Pressure lever assembly (50) 7514811. Engagement pin (50) 7228817. Pressure lever assembly (50) 7228801. Pressure function lever assembly (50) 7228801. Pressure function lever assembly (50) 72	(42)			!	0701430	
(31)   7519331   Collar (3 req'd)   for motor mounting   for motor mounting   for motor mounting   (82)   7244311   Recording spring assembly   (83)   7244321   Recording spring assembly   (84)   724431   Recording function plate   (85)   724431   Recording function plate   (86)   (87)		1	for motor supporting plate mounting		İ	(2 114 2) 111 June 1101111
T771872   Screw with spring washer 3mmø (3req'd)   (82)   (83)   (84)   (85)						
for motor mounting   (33)   7244321   Recording function plate	(44)				7068366	Rubber pad  Pecording spring assembly
(45) 5570702 Motor (46) 7239171 Motor bracket 8781438 Tapping screw-3mm ∅ × 8mm (47) 7229443 Mecha plate assembly (48) 7228711 Engagement lever assembly (50) 6317752 Nock lever (50) 6317752 Nock lever spring (61) 7228721 Lock guide assembly (71) 7228721 Lock guide assembly (72) 6317782 Lock guide assembly (72) 6317782 Nock lever spring (73) 7228721 Lock guide assembly (74) 7228721 Lock guide assembly (75) 6317782 Lock guide assembly (77) 7871 Screw with spring washer-3mm ∅ (72) 6317782 Lock guide assembly (73) 7228721 Lock guide assembly (74) 7228731 Nock function lever (75) 6317782 Lock spring (75) 7228731 Nock function lever mounting (75) 7228731 Nock function lever mounting (75) 7228681 Nock function lever assembly (77) 850 Screw with spring washer-3mm ∅ (72) 723861 Nock function lever mounting (75) 7228681 Nock function lever assembly (77) 851 Nock function lever assembly (75) 7228671 Nock function lever assembly (75) 7228681 Nock function lever assembly (75) 7228681 Nock function lever assembly (75) 7228671 Nock function lever assembly (75) 7228671 Nock function lever assembly (77) 871871 Nock function lever assembly (78		1111013			7244311	Recording function plate
8781438   Tapping screw-3mm \$\infty\$ x8mm   (85)   for motor bracket mounting   (86)   (322851]   Stop spring   (322851)   Stop spring   (322851	(45)	5570702		(00)		According Tunning Prints
Garman						
(47)   7229443   Mecha plate assembly   (88)   (6322841   Play spring   (88)   (6322841   Play spring   (88)   (6322841   Play spring   (88)   (632331   Recording button (red)   (771873   Recording button (red)   (771874   R		8781438				
Search   S	(47)	7229443	Mecha plate assembly		6322841	Play spring
Conting   Cont		7228711	Engagement lever assembly		6322831	Lock plate spring
(49) 7227551 Nock lever (50) 6317752 Nock lever spring 0637443 "E" ring for nock lever mounting (51) 7228721 Lock guide assembly (7771873 Screw with spring washer-3mm ø (6 req'd) (92) 0533129 Micro switch for power (93) 5680521 (94) 7244251 Switch supporting plate (52) 6317782 (2 req'd) for lock guide ass, mounting (53) 7227531 Nock function lever (54) 7228631 Nock function lever mounting (55) 7228631 Nock function lever mounting (56) 7228631 Nock function lever assembly (96) 7228631 Nock function lever assembly (97) 77736191 Nock function lever assembly (98) 8711416 Pan head screw-3mm ø (2 req'd) (57) 0971048 Brake rubber (58) 7228691 Fiber washer/pressure lever mounting (59) 7514811 Engagement pin (59) 7514811 Engagement pin (60) 7228731 Pressure function lever assembly (60) 7228731 Pressure function lever assembly (60) 7228731 Pressure function lever assembly (60) 7228731 Pressure function lever assembly (60) 7228731 Pressure function lever assembly (60) 7228731 Pressure function lever assembly (60) 7228731 Pressure function lever assembly (60) 7228731 Pressure function lever assembly (60) 7228731 Pressure function lever assembly (60) 7228731 Pressure function lever assembly (60) 7228731 Pressure function lever assembly (60) 7228731 Pressure function lever assembly (60) 7228731 Pressure function lever assembly (60) 7228731 Pressure function lever assembly (60) 7228731 Pressure function lever assembly (60) 7228731 Pressure function lever assembly (60) 7228731 Pressure function lever assembly (60) 7228731 Pressure function lever assembly (60) 7228731 Pressure function lever assembly (61) 7773081 Pressure function lever assembly (62) Pressure function lever assembly (63) Pressure function lever assembly (64) Pressure function lever assembly (65) Pressure function lever assembly (66) Pressure function lever assembly (67) Pressure function lever assembly (68) Pressure function lever assembly (69) Pressure function lever assembly (60) Pressure function lever assembly (60) Pressure function lever assembly (60) Pres		0637443	"E" ring	(89)	6723331	Recording button (red)
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(50) 6317752 Nock lever spring 0637443 "E" ring for nock lever mounting (91) 1 Cock guide assembly (92) 0533129 Micro switch for power (93) 5680521 4P terminal for switch holder (94) 7244251 Switch supporting plate (95) 1 Nock function lever mounting (95) (96) 7771871 Screw with spring washer-3mm of rom onck function lever assembly (96) 1 Nock function lever assembly (97) 1 Nock function lever assembly (98) 1 Nock function lever assembly (97) 1 Nock function lever assembly (98) 1 Nock function lever assembly (98) 1 Nock function lever assembly (97) 1 Nock function spring (97) 1 Nock function spring (98) 1 Nock	(49)	7227551	Nock lever		1111013	
(51) 7228721 Lock guide assembly 7771871 Screw with spring washer-3mm \( 2 \) req'd) for lock guide ass, mounting (52) 631782, Lock spring (53) 7227531 Nock function lever (54) 7228681 Nock function lever assembly (55) 7228681 Nock function lever assembly (56) 6317801 Nock function spring (57) 0971048 Brake rubber (58) 7228691 Flywheel lever assembly (59) 7514811 Engagement pin (60) 7228731 Pressure function lever assembly (50) 7514811 Engagement pin (60) 7228731 Pressure function lever assembly (61) 773081 Set screw (77) 871871 Screw with spring washer-3mm \( \text{\screw} \) (98) 7244591 Volume holder (92) 0533129 Micro switch for power (93) 5680521 4P terminal for switch holder (94) 7244251 Switch lever (95) 77344351 Switch lever (96) 7736191 Insulating plate for micro switch (97) 7736191 Insulating plate for micro switch (98) 7736191 Insulating plate for micro switch (98) 7736191 Pressure lever assembly (98) 8813124 Spring washer-3mm \( \text{\screw} \) (2 req'd) (98) 8813114 Washer-3mm \( \text{\screw} \) (2 req'd) (98) 7244401 P.C.B holder (1) for left (98) 7244411 P.C.B holder (2) for right (98) 7244411 P.C.B holder (1), (2) mounting (100) 7228731 Pressure function lever assembly (100) 7228731 Pressure function lever assembly (100) 7228731 Pressure function lever assembly (100) 7228731 Pressure function lever assembly (100) 7228731 Pressure function lever assembly (100) 7228731 Pressure function lever assembly (100) 7228731 Pressure function lever assembly (100) 7228731 Pressure function lever assembly (100) 7228731 Pressure function lever assembly (100) 7228731 Pressure function lever assembly (100) 7228731 Pressure function lever assembly (100) 7228731 Pressure function lever assembly (100) 7228731 Pressure function lever assembly (100) 7228731 Pressure function lever assembly (100) 7228731 Pressure function lever assembly (100) 7228731 Pressure function lever assembly (100) 7228731 Pressure function lever assembly (100) 7228731 Pressure function lever assembly (100) 7228731 Pressure function lever ass						mounting
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(52) 6317782   Lock spring   L	(51)	7228721	Lock guide assembly			
(52) 6317782 Lock spring (53) 7227531 Nock function lever (54) 7228681 For nock function lever assembly (55) 7228673 Pressure lever assembly (56) 6317801 Nock function spring (57) 0971048 Brake rubber (58) 7228691 Flywheel lever assembly (59) 7514811 Engagement pin (59) 7514811 Pressure function lever assembly (50) 7228731 Pressure function lever assembly (50) 773081 Set screw (60) 773081 Set screw (77) Nock function lever mounting (78) 7244381 Switch lever (78) 773681 Switch lever (77) 773681 Switch lever (8813124 Spring washer-3mm \$\$\sigma (2 \ req'd) \ for \ red'd) \ for \ red'd) \ for \ red'd) for \ P.C.B holder (77) 7244401 P.C.B holder (77) 773681 Science with spring washer-3mm \$\text{\$\sigma (3 \ req'd) \ for \ P.C.B holder (77) 773681 Science with spring washer-3mm \$\text{\$\sigma (4 \ req'd) \ for \ P.C.B holder (77) 773681 Science with spring washer-3mm \$\text{\$\sigma (4 \ req'd) \ for \ P.C.B holder (77) 773681 Science with spring washer-3mm \$\text{\$\sigma (4 \ req'd) \ for \ P.C.B holder (77) 773681 Science with spring washer-3mm \$\text{\$\sigma (4 \ req'd) \ for \ P.C.B holder (77) 773681 Science with spring washer-3mm \$\text{\$\sigma (4 \ req'd) \ for \ P.C.B holder (77) 773681 Science with spring washer-3mm \$		1111871				
To the function lever   To the function lever   To the formula   To the	(52)	6317782				
for nock function lever mounting  7228681 Nock function lever assembly  (55) 7228673 Pressure lever assembly  0637445 "E" ring of pressure lever mounting  (56) 6317801 Nock function spring  (57) 0971048 Brake rubber  (58) 7228691 Flywheel lever assembly  0637442 "E" ring  0637444 Washer-3mm Ø  0637445 (Fere'd)  06374		7227531	Nock function lever		7736191	Insulating plate for micro switch
(54) 7228681 Nock function lever assembly (55) 7228673 Pressure lever assembly (56) 637445 "E" ring		0637445		!	7771871	
Tell   Pressure lever assembly   S711416   Pan head screw-3mm \( \triangle	(54)	7228681		:	!	
0637445 "E" ring   for nock function lever assembly   0637119   Fiber washer)pressure lever mounting   8813124   Spring washer-3mm \( \notinue{\sigma} \)   (2 req'd)   (2 req'd)   (371801   (371801   5728691   7228					8711416	
(56)   (5317801   Nock function spring   (57)   (57)   (57)   (57)   (58)   (7228691   Flywheel lever assembly   (58)   (7228691   Flywheel lever assembly   (58)   (724401   P.C.B holder (1) for left   (724401   P.C.B holder (2) for right   (7771873   Screw with spring washer-3mm Ø (8 req'd)   (67)   (7514811   Engagement pin   (67)   (771873   Screw with spring washer-3mm Ø (8 req'd)   (771873   (771873   Screw with spring washer-3mm Ø (8 req'd)   (771873   (771873   Screw with spring washer-3mm Ø (8 req'd)   (771873   (771873   Screw with spring washer-3mm Ø (8 req'd)   (771873   (771873   Screw with spring washer-3mm Ø (8 req'd)   (771873   (771873   Screw with spring washer-3mm Ø (8 req'd)   (771873   (771873   Screw with spring washer-3mm Ø (8 req'd)   (771873   (771873   Screw with spring washer-3mm Ø (8 req'd)   (771873   (771873   Screw with spring washer-3mm Ø (8 req'd)   (771873   (771873   Screw with spring washer-3mm Ø (8 req'd)   (771873   (771873   Screw with spring washer-3mm Ø (8 req'd)   (771873   (771873   Screw with spring washer-3mm Ø (8 req'd)   (771873   (771873   Screw with spring washer-3mm Ø (8 req'd)   (771873   Screw with spring washer-3mm Ø (8 req'd	\/	0637445	"E" ring ) for nock function lever assembly		8813124	Spring washer-3mm $\emptyset$ \ \( \( (2 \text{ req'd} \)
(57) 0971048 Brake rubber (97) 7244401 P.C.B holder (1) for left (7244411 P.C.B holder (2) for right (98) 7244411 P.C.B holder (2) for right (98) 7514811 Engagement pin (877) 8811114 Washer-3mm (879) (10637442 For engagement pin mounting (60) 7228731 Pressure function lever assembly (99) 7244591 Volume holder (1) for left (98) 7244411 P.C.B holder (2) for right (97) 771873 Screw with spring washer-3mm (879) (10637442 Washer-3mm (10637442 Washer-3	(50)				8811114	
(58) 7228691 Flywheel lever assembly (59) 7514811 Engagement pin (60) 7228731 (61) 7773081 Set screw (728691 Flywheel lever assembly (98) 7244411 P.C.B holder (2) for right (7771873 Screw with spring washer-3mm Ø (8 req'd) (67 P.C.B holder (1), (2) mounting (8811114 Washer-3mm Ø (4 req'd) for P.C.B mounting (99) 7244591 Volume holder (99) 7244591 Volume holder (1773081 Set screw				(97)	7244401	
(59) 7514811 Engagement pin for P.C.B holder (1), (2) mounting (60) 7228731 Pressure function lever assembly (61) 7773081 Set screw (RVIA,B 0171549 Variable resistor (2 reg'd) for yolume holder						
(59) 7514811 Engagement pin for P.C.B holder (1), (2) mountig 8811114 Washer-3mm g (4 req'd) for P.C.B mounting (60) 7228731 Pressure function lever assembly (99) 7244591 Volume holder (1), (2) mountig 8811114 Washer-3mm g (4 req'd) for P.C.B mounting (7228731 Pressure function lever assembly (99) 7244591 Volume holder (1), (2) mountig 8811114 Washer-3mm g (4 req'd) for P.C.B mounting (7228731 Pressure function lever assembly (1), (2) mountig 8811114 Washer-3mm g (4 req'd) for P.C.B mounting (1), (2) mountig 8811114 Washer-3mm g (1), (3) mountig 8811114 Washer-3mm g (4 req'd) for P.C.B nolder (1), (2) mountig 8811114 Washer-3mm g (1), (3) mountig 8811114 Washer-3mm g (4 req'd) for P.C.B nolder (1), (2) mountig 8811114 Washer-3mm g (1), (3) mounting (4 req'd) for P.C.B nolder (1), (3) mounting (1), (4) mounting (1), (5) mounting (1), (6) mounting (1), (6) mounting (1), (7) mounting (1), (8) mounting	(00)		- ijiioo. io.or accomorg	1		
for engagement pin mounting (60) 7228731 Pressure function lever assembly (61) 7773081 Set screw (62) (63) 7773081 Set screw (63) (74) 7244591 Volume holder (64) 7228731 Pressure function lever assembly (75) 7244591 Volume holder	(59)					for P.C.B holder (1), (2) mountig
(60) 7228731 Pressure function lever assembly (99) 7244591 Volume holder (61) 7773081 Set screw (2 reg'd) for volume holder		0637442			8811114	Washer-3mm Ø
(61) 7773081 Set screw RV1A, B 0171549 Variable resistor (2 reg'd) for volume holder	(60)	7228731		(99)	7244591	
			Set screw			
			for FW lever, FW lever shaft mounting		0171049	+ arrable resistor (2 req u) for volume noticer

## MODEL TRQ-134D SERVICE MANUAL

Stock No.	Description	Symbol No.	Stock No.	Description
7771871	Screw with spring washer-3mm Ø	(118)		Pilot lamp for panel
į	(4 reqd) for volume holder mounting	(119)	0923972	Staple (4 req'd) for micro switch, mecha
7244581	Microphon jack holder			plate, chassis, P.C.B
5551691	Level meter	(120)		Panel holder
7668241	Level meter cushion		8781438	Tapping screw-3mm \( \neq \times 8mm \)
				(2 req'd) for panel holder mounting
0948295	Rubber plate for pilot lamp mounting	(121)		Push switch (under) (power) (for USA)
		:	7771852	Screw with spring washer-2.6mm/
				(2 req'd) for push switch mounting
6704271	Insulating washer for headphone jack mounting	(122)	5630922	Push switch (upper) (FF)
			7771871	Screw with spring washer-3mm Ø
				(2 req'd) for push switch mounting
7779511				Switch control knob
				FF button
				Bushing for power cord
		(126)	5741662	Power cord
7771871				for Printed circuit board assembly
		C 0/107	FC00071	Cities (Donne)
8781438				Slide switch (Pause)
5551050		5 1(128)		Slide switch (Rec./PB) Headphone transformer
7771873		E/120)		
0011111				
8811114				
	(2 red d) for F.C.B mounting	(132)		Head cleaning stack
7044491	I amp holder			Patch cord
				Oscillator coil
		i I	0200023	Oscillator con
1111011	for lamp holder Jamp P C R mounting			
7251181				
	No. 7771871 7244581 5551691 7668241 0594116 0948295 5670261 6704271 0958453 5670331 7779511 7244451 77244941 7771871 8781438 7771873 8811114 7244421 5760411 7668251 7771871 7251181	No. Description  7771871 Screw with spring washer-3mm Ø	No.    Description   No.	No.         Description         No.         No.           7771871         Screw with spring washer-3mm Ø (4 req'd) for volume holder mounting         (118) 0594116 (119) 0923972           7244581         Microphon jack holder         (120) 7244561           5551691         Level meter         (120) 7244561           7668241         Level meter cushion         8781438           0948295         Rubber plate for pilot lamp mounting         (121) 5630921           5670261         Headphone jack         (122) 5630922           6704271         Insulating washer for headphone jack mounting         (122) 5630922           7771852         Jack washer         (123) 6710651           7670331         Mould jack (2 req'd) for record         (124) 6723351           7244451         P.C.B holder (3) for front         (125) 0043793           7244451         P.C.B holder (4) for rear         (126) 5741662           7771871         For P.C.B holder (4) mounting         Science with spring washer-3mm Ø         (126) 5741662           7771873         Screw with spring washer-3mm Ø         (127) 5620271           7771873         Screw with spring washer-3mm Ø         (131) 572024           8811114         Washer-3mm Ø         (131) 5720242           7244421         Lamp holder <t< td=""></t<>



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